

**DERWENT-ACC-NO:** 1994-265037

**DERWENT-WEEK:** 199433

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**TITLE:** Melting neutral borosilicate glass - using electric heating furnace in which molten glass passes into a two part bubbling cell etc.

**INVENTOR:** HAFT, R; LINZ, H ; PHILIPP, G

**PATENT-ASSIGNEE:** JENAER SCHMELZTECHNIK JODEIT GMBH[JENAN]

**PRIORITY-DATA:** 1993DE-4313217 (April 22, 1993)

**PATENT-FAMILY:**

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 4313217 C1	September 1, 1994	N/A	003	C03B 005/193

**APPLICATION-DATA:**

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
DE 4313217 C1	N/A	1993DE-4313217	April 22, 1993

**INT-CL (IPC):** C03B005/027, C03B005/193 , C03B005/225

**ABSTRACTED-PUB-NO:** DE 4313217C

**BASIC-ABSTRACT:**

Melting neutral glass uses an electric heating furnace in which molten glass (12) passes into a two part bubbling cell (20,22) where N2, O2 or air and some water vapour is blown into the melt in the first cell (20) and dried O2 is blown into the melt in the second cell (22).

**USE** - For producing borosilicate neutral glasses.

**ADVANTAGE** - Glass is melted by completely electrical means which avoids overheating and thereby strong emissions of toxic materials without jeopardising the glass quality.

**CHOSEN-DRAWING:** Dwg.1/2

**TITLE-TERMS:** MELT NEUTRAL BOROSILICATE GLASS ELECTRIC HEAT FURNACE  
MOLTEN GLASS PASS TWO PART BUBBLE CELL

**DERWENT-CLASS:** L01

**CPI-CODES:** L01-A06C; L01-C03;

**SECONDARY-ACC-NO:**

**CPI Secondary Accession Numbers:** C1994-121235